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1 Applications in logistics, transportation, and distribution: Simulation applications in the automotive industry: simulation anywhere any time: web-based simulation implementation for evaluating order-to-delivery systems and processes Soundar R. T. Kumara, Yong-Han Lee, Kaizhi Tang, Chad Dodd, Jeffrey Tew, Shang-Tae Yee December 2002 Proceedings of the 34th conference on Winter simulation: exploring new frontiers

Publisher: Winter Simulation Conference

Full text available: pdf(255.67 KB) Additional Information: full citation, abstract, references

GM Enterprise Systems Laboratory (GMESL) has developed a stand-alone single user simulation program for evaluating and predicting Order-to-Delivery (OTD) systems and processes. In order for more people to be able to access this simulator, to share the simulation results, and to analyze simulation collaboratively, we have designed, developed and implemented an Internet-based three-tiered client/server framework, which consists of the three tiers: database, execution and user interface. The cor ...

Network and service management for wide-area electronic commerce networks Symeon Papavassiliou



March 2001 International Journal of Network Management, Volume 11 Issue 2

Publisher: John Wiley & Sons, Inc.

Full text available: 📆 pdf(416.91 KB) Additional Information: full citation, abstract, references, index terms

This paper focuses on the effective management of wide‐ area electronic commerce networks supporting services and applications that require high availability and reliability as well as fast reconstitution time, in the event of failures. Copyright © 2001 John Wiley & Sons, Ltd.

3 Broadcast and on-line cultural heritage: Copyright protection and management and a



web based library for digital images of the Hellenic cultural heritage Dimitris K. Tsolis, George K. Tsolis, Emmanouil G. Karatzas, Theodore S. Papatheodorou November 2001 Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage

Publisher: ACM Press

Full text available: pdf(358.69 KB) Additional Information: full citation, abstract, references, index terms

The main issue addressed in this paper is the design and implementation of an Advanced Digital Image Repository, which offers specialized services and a Dedicated User Interface for the protection and management of the Intellectual Property Rights of digitized material. In addition, another main research area of this contribution is the implementation of a Web Based Library, supported by advanced technologies, for the proper presentation of the digital cultural content. The work described in thi ...

Keywords: copyright protection, databases, digital web archives, information systems, java applets, watermarking

4 A cost effective distributed location management strategy for wireless networks Kuochen Wang, Jung Huev



July 1999 Wireless Networks, Volume 5 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(190.47 KB) Additional Information: full citation, abstract, references, index terms

The mobility feature of mobile stations (MSs) imposes a large burden on network traffic control as a result of location management. Design issues of location management include MS registration (updating) and call set-up (paging). Previous approaches introduced several network topologies for updating and paging procedures, but most of them focused on a single problem: either updating optimization or paging optimization. In this paper, we design and integrate two mechanisms, distributed tempo ...

⁵ Mariposa: a wide-area distributed database system

Michael Stonebraker, Paul M. Aoki, Witold Litwin, Avi Pfeffer, Adam Sah, Jeff Sidell, Carl Staelin, Andrew Yu

January 1996 The VLDB Journal - The International Journal on Very Large Data Bases, Volume 5 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(172.75 KB) Additional Information: full citation, abstract, citings, index terms

The requirements of wide-area distributed database systems differ dramatically from those of local-area network systems. In a wide-area network (WAN) configuration, individual sites usually report to different system administrators, have different access and charging algorithms, install site-specific data type extensions, and have different constraints on servicing remote requests. Typical of the last point are production transaction environments, which are fully engaged during normal business h ...

Keywords: Autonomy, Databases, Distributed systems, Economic site, Name service, Wide-area network

6 A PilotCard-based shared hypermedia system supporting shared and private



databases

Satoshi Ichimura, Takeshi Kamita, Yutaka Matsushita

December 1993 Proceedings of the conference on Organizational computing systems

Publisher: ACM Press

Full text available: pdf(953.42 KB) Additional Information: full citation, references, citings, index terms

Keywords: groupware, hypermedia, object-oriented database

7 Electronic commerce universal access device-the knowledge-acquiring layered



infrastructure (KALI) project

Theodore Chiasson, Carrie Gates

September 2000 Crossroads, Volume 7 Issue 1

Publisher: ACM Press

Full text available: (3) html(35.92 KB) Additional Information: full citation, index terms

8 A distributed scientific data archive using the Web, XML and SQL/MED



Mark Papiani, Jasmin L. Wason, Alistair N. Dunlop, Denis A. Nicole September 1999 **ACM SIGMOD Record**, Volume 28 Issue 3

Publisher: ACM Press

Full text available: pdf(794.86 KB) Additional Information: full citation, abstract, citings, index terms

We have developed a web-based architecture and user interface for fast storage, searching and retrieval of large, distributed, files resulting from scientific simulations. We demonstrate that the new DATALINK type defined in the draft SQL Management of External Data Standard can help to overcome problems associated with limited bandwidth when trying to archive large files using the web. We also show that separating the user interface specification from the user interface processing can prov ...

9 Implementing role based access control for federated information systems on the web



Kerry Taylor, James Murty

January 2003 Proceedings of the Australasian information security workshop conference on ACSW frontiers 2003 - Volume 21 ACSW Frontiers '03

Publisher: Australian Computer Society, Inc.

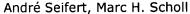
Full text available: pdf(217.89 KB)

Additional Information: full citation, abstract, references, citings, index terms

There is rapidly increasing interest in Australia in on-line sharing of information stored in corporate databases, especially within and between staff of independent government agencies. Biological collections databases and population health GIS are good examples of the frequent situation where database custodians are looking for dynamic, distributed, heterogenous federated information system models for information sharing within loosely constituted communities. This paper describes a security m ...

Keywords: RBAC, federated databases

10 Processing read-only transactions in hybrid data delivery environments with consistency and currency guarantees



August 2003 Mobile Networks and Applications, Volume 8 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: 📆 pdf(285.73 KB) Additional Information: full citation, abstract, references, index terms

Different isolation levels are required to ensure various degrees of data consistency and currency to read-only transactions. Current definitions of isolation levels such as Conflict Serializability, Update Serializability or External Consistency/Update Consistency are not appropriate for processing read-only transactions since they lack any currency guarantees. To resolve this problem, we propose four new isolation levels which incorporate data consistency and currency guarantees. Further, we p ...

Keywords: broadcasting, data consistency, data currency, read-only transactions, unicasting



C++: monitoring remote sensing devices in C++

G. Bowden Wise

April 1997 ACM SIGPLAN Notices, Volume 32 Issue 4

Publisher: ACM Press

Full text available: pdf(355.01 KB) Additional Information: full citation, index terms

12 Supporting collaborative writing of hyperdocuments in SEPIA

Jörg M. Haake, Brian Wilson

December 1992 Proceedings of the 1992 ACM conference on Computer-supported

cooperative work

Publisher: ACM Press

Full text available: The pdf(1.13 MB)

Additional Information: full citation, references, citings, index terms

Keywords: CSCW, collaborative writing, hypertext, hypertext authoring, modes of collaboration

13 Database research at IPSI

Erich Neuhold, Volker Turau

March 1992 ACM SIGMOD Record, Volume 21 Issue 1

Publisher: ACM Press

Full text available: 完 pdf(617.85 KB) Additional Information: full citation, abstract, citings, index terms

At the Integrated Publication and Information Systems Institute (IPSI) of the GMD (Gesellschaft für Mathematik und Datenverarbeitung) database research is focused towards distributed database management systems to support the integration of heterogeneous multi-media information bases needed in an integrated publishing environment. The objective is to investigate advanced object-oriented and active data modelling concepts together with the principles of distributed data stores and data ...

14 Developing the cooperative mission development environment

Christopher Rouff, Mary Ann Robbert

November 1997 Proceedings of the international ACM SIGGROUP conference on Supporting group work: the integration challenge

Publisher: ACM Press

Full text available: Ddf(857.91 KB) Additional Information: full citation, references, index terms

Keywords: client/server, integrating databases, islands of computing, middleware

15 Testing and debugging: Using Hy[±] for network management and distributed debugging

Mariano P. Consens, Masum Z. Hasan, Alberto O. Mendelzon

October 1993 Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: software engineering - Volume 1

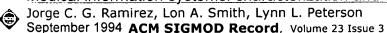
Publisher: IBM Press

Full text available: The pdf(1.68 MB) Additional Information: full citation, abstract, references

A network manager managing a computer network or a programmer attempting to understand and debug a distributed program both must deal with large volumes of data. Visualization is widely believed to help in these and similar tasks. We contend that

visualization is indeed useful, but only if accompanied of the following facilities: abstraction, filtering, and layout control. The Hy+ visualization system and GraphLog query language provide these facilities. They support not ...

16 Medical information systems: characterization and challenges



Publisher: ACM Press

Full text available: pdf(1.10 MB) Additional Information: full citation, abstract, index terms

This paper examines the characteristics and challenges presented by medical databases and medical information systems. It begins with a survey of medical databases/information systems. This is followed by a list of challenges for database management systems generated by the needs of these systems. It concludes with a look at some systems which address these challenges. In the context of this background information, the database community is asked to consider whether the results of database ...

17 REQUEST II — a distributed database system for local area networks

Marek Rusinkiewicz, Dimitrios Georgakopoulos

November 1986 Proceedings of 1986 ACM Fall joint computer conference

Publisher: IEEE Computer Society Press

Full text available: <mark>関 pdf(1.02 MB)</mark> Additional Information: full citation, references, index terms

18 Data allocation in distributed database systems

Peter M. G. Apers

September 1988 ACM Transactions on Database Systems (TODS), Volume 13 Issue 3

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(3.30 MB) terms, review

The problem of allocating the data of a database to the sites of a communication network is investigated. This problem deviates from the well-known file allocation problem in several aspects. First, the objects to be allocated are not known a priori; second, these objects are accessed by schedules that contain transmissions between objects to produce the result. A model that makes it possible to compare the cost of allocations is presented; the cost can be computed for different cost functi ...

19 The peril of evaluating location management proposals through simulations

Thomas Kunz, Atif A. Siddiqi, John Scourias

November 2001 Wireless Networks. Volume 7 Issue 6

Publisher: Kluwer Academic Publishers

Full text available: 常向f(184.81 KB) Additional Information: full citation, abstract, references, index terms

The challenge of supporting rapidly growing numbers of mobile users, while constrained by limited radio spectrum, is being faced by cellular network operators worldwide. Several location management schemes have been proposed to improve the performance of such networks, but a fair assessment and comparison of their performance is difficult without an accurate mobility model. The performance of location management schemes depends considerably on subscriber mobility patterns. Some of the recent met ...

Keywords: cellular networks, location management, mobility models, performance evaluation

20 The peril of evaluating location management proposals through simulations

Atif A. Siddiqi, Thomas Kunz

August 1999 Proceedings of the 3rd international workshop on Discrete algorithms and methods for mobile computing and communications

Publisher: ACM Press

Full text available: pdf(830.95 KB) Additional Information: full citation, references, citings, index terms

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